

Instruction: WI-FC-03	Page 1 of 3
Date Printed: 07/06/2011	Released: 02/11/2011 Rev. Num: 3.0
Approved By: Robin Smith	

Marquis Test

1. Purpose and Scope

Color tests are used in forensic drug analysis as a preliminary test method to indicate the presence or absence of certain drugs in a sample.

2. Definitions

GC/MS	Gas Chromatograph/Mass Spectrometer
MDA	methylene dioxyamphetamine
MDMA	methylene dioxy methamphetamine

3. Safety Instructions

Chemical Hazard

4. Instructions

1. Marquis Reagent preparation

To prepare Marquis Reagent, mix one volume formaldehyde to every nine volumes of concentrated sulfuric acid.

2. Test Procedure

Place 2 or 3 drops Marquis reagent into a spot plate well.

Add sample to the same spot plate well.

Observe for any color change.

-Purple indicates heroin/opiates

-Orange indicates Amphetamines/Methamphetamines

-Black indicates MDMA/MDA

Prepare sample for GC/MS confirmation. Refer to **WI-FC-05**.

5. Notes

Instruction: WI-FC-03	Page 2 of 3
Date Printed: 07/06/2011	Released: 02/11/2011 Rev. Num: 3.0
Approved By: Robin Smith	

Marquis Test

6. FC-Instruments/Equipment/Materials

Pipet

Spot plate

7. FC-Chemicals/Reagents

Marquis Reagent

8. Records

Drug Chemistry Checklist

FORM-FC-01

9. Policy References

Technical requirements	5
Test and calibration methods and method validation	5.4
Equipment	5.5
Sampling	5.7
Handling of test and calibration items	5.8
Assuring the quality of test and calibration results	5.9
Reporting the results	5.10

10. Procedure References

No procedures are referenced by this instruction.

11. Instruction References

GC/MS Sample Preparation

WI-FC-05

Instruction: WI-FC-03	Page 3 of 3
Date Printed: 07/06/2011	Released: 02/11/2011 Rev. Num: 3.0
Approved By: Robin Smith	

Marquis Test

12. Other Reference Documents

There are no other reference documents for this instruction.
